From the INTERNATIONAL SEARCHING AUTHORITY

To:
KENNETH A. GANDY
WOODARD, EMHARDT, MORIARTY, MCNETT &
HENRY LLP
BANK ONE CENTER/TOWER, SUITE 3700
111 MONUMENT CIRCLE
INDIANAPOLIS. IN 46204

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

111 MONUMENT CIRCLE INDIANAPOLIS, IN 46204	OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of Mailing (day/month/year) 09 DEC 2003			
Applicant's or agent's file reference 22078.3TARGE	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US03/21712	International filing date (day/month/year) 11 July 2003 (11.07.2003)			
Applicant TARGESON, LLC				
The applicant is hereby notified that the international search	h report has been established and is transmitted herewith.			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clai	ms of the international application (see Rule 46):			
When? The time limit for filing such amendments is international search report.	normally two months from the date of transmittal of the			
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.:				
For more detailed instructions, see the notes on the ac-	The same of the sa			
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) addition	onal fee(s) under Rule 40.2, the applicant is notified that:			
	n transmitted to the International Bureau together with the rotest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the appl	licant will be notified as soon as a decision is made.			
4. Reminders				
applicant wishes to avoid or postpone publication, a notice of with	al application will be published by the International Bureau. If the idrawal of the international application, or of the priority claim, must and 90 bis.3, respectively, before the completion of the technical			
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for			
In respect of other designated Offices, the time limit of 30 months	In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Marianne DiBrino, Ph.D. Telephone No. 703-308-0196			

Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	icant's 8.3TA	or agent's file reference RGE	FOR FURTHER ACTION	see Notific (Form PC below.	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5
		d application No. 21712	International filing date (day/mon 11 July 2003 (11.07.2003)	th/year)	(Earliest) Priority Date (day/month/year) 11 July 2002 (11.07.2002)
Appli TAR		N, LLC			
applic	cant a	ational search report has been ecording to Article 18. A co	py is being transmitted to the Inte	earching A	Authority and is transmitted to the Bureau.
ims		71 [*]	or a total or sneets. I by a copy of each prior art docu	ment cited	d in this report.
I	a.	language in which it was filed	, unless otherwise indicated under	his item.	e basis of the international application in the
ь			and/or amino acid sequence disc basis of the sequence listing:	losed in th	e international application, the international
	Ц	contained in the international	d application in written form.		
	\sqsubseteq	filed together with the interr	national application in computer rea	dable form	n.
	furnished subsequently to this Authority in written form.				
	Ц	furnished subsequently to th	is Authority in computer readable i	orm.	
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
		the statement that the inform been furnished.	nation recorded in computer readab	le form is	identical to the written sequence listing has
2.	\bowtie	Certain claims were found	unsearchable (See Box I).		
3. 4.	∐ With r	Unity of invention is lackin egard to the title,	g (See Box II).		
	\boxtimes	the text is approved as subm	itted by the applicant.		•
ĺ			by this Authority to read as follow	' S:	
5.	With r	egard to the abstract,			
ļ	\bowtie	the text is approved as subm	itted by the applicant.		
		the text has been established may, within one month from Authority.	, according to Rule 38.2(b), by this the date of mailing of this internat	s Authority ional searc	y as it appears in Box III. The applicant ch report, submit comments to this
6. 1	The fig	ture of the drawings to be pub	lished with the abstract is Figure N	lo	
ļ	_	as suggested by the applicant	1.		None of the figures
Į		because the applicant failed t	to suggest a figure.		
[because this figure better cha	aracterizes the invention.		

Form PCT/ISA/210 (first sheet) (July 1998)

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claim Nos.: Claim 29 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claim 29 depends upon claim 38 which is not preceding claim 29.
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
·
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

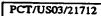


International application No.

PCT/US03/21712

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 49/00, 9/127; A61B 8/00				
US CL : 424/9.51, 9.52, 9.5, 450				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/9.51, 9.52, 9.5, 450				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.	
Y	US 5,846,518 A (YAN et al) 08 December 1998 (08.12.1998), see entire document.	1-28, 30-36	
Y	US 6,416,740 B1 (UNGER) 09 July 2002 (09.07.2	2002), see entire document.	1-28, 30-36	
· Y	US 6,443,898 B1 (UNGER et al) 03 September 2002 (03.09.2002), see entire document.		1-28, 30-36	
Y	US 5,869, 538 A (VAN LIEW et al.) 09 February 1999 (09.02.1999), see entire document.		1-28, 30-36	
Y	US 6,051,207 A (KLAVENESS et al) 18 April 20	00 (18.04.2000), see entire document.	1-28, 30-36	
Y	US 6,224,554 B1 (TICKNER et al) 01 May 2001 (01.05.2001), see entire document.	1-28, 30-36	
Y	US 5,464,932 A (ALLCOCK et al) 07 November document.	1995 (07.11.1995), see entire	1-28, 30-36	
Y	US 6,187,288 B1 (SCHNEIDER et al) 13 February document.	y 2001 (13.02.2001), see entire	1-28, 30-36	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
• s	pecial categories of cited documents:	"T" later document published after the inter	national filing date or priority	
	defining the general state of the art which is not considered to be lar relevance	date and not in conflict with the application principle or theory underlying the investigation.	ntion .	
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone		
	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the		
	published prior to the international filing date but later than the are claimed	"&" document member of the same patent for	amily	
	Date of the actual completion of the international search Date of mailing of the international search report O 9 DEC 2003			
16 November 2003 (16.11.2003) Name and mailing address of the ISA/US Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents Marianne DiBrino, Ph. D.		40		
Alex	. Box 1450 tandria, Virginia 22313-1450 . (703)305-3230	Telephone No. 703-308-0196	Ţ	

Form PCT/ISA/210 (second sheet) (July 1998)



INTERNATIONAL SEARCH REPORT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
Y	US 6,245,318 B1 (KLIBANOV et al) 12 June 2001 (12.06.2001), see entire document.	1-28, 30-36
Y	US 6,548,048 B1 (CUTHBERTSON et al) 15 April 2003 (15.04.2003), see entire document.	1-28, 30-36
Y	US 6,372,195 B1 (SCHUTT et al) 16 April 2002 (16.04.2002), see entire document.	1-28, 30-36
Y	PRICE ET AL. Delivery of Colloidal Particles and Red Blood Cells to Tissue Through Microvessel Ruptures Created by Targeted Microbubble Destruction With Ultrasound. Circulation. 29 September 1998, Vol. 98, pages 1264-1267, see entire article.	1-28, 30-36
		<i>\$</i>
	·	•

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONALS	EARCH REPORT	_	
			· · · · · · · · · · · · · · · · · · ·
			·
_	·		
			·
Continuation of B. FIELDS SEARC	HED Item 3:		
STN (BIOSCIENCE)			
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo names	some, target molecule, crenated, non-sp	pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo	some, target molecule, crenated, non-sp	pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo		pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo		pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo		pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo		pherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo		oherical, surface projection,	converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo			converting inventor's
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo names			
STN (BIOSCIENCE) search terms: gas filled microbubble, lipo names			

Form PCT/ISA/210 (second sheet) (July 1998)

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.